XVIII. *A Catalogue of the* Fifty Plants *from* Chelſea Garden, *preſented to the* Royal Society, *by the worſhipful Company of Apothecaries, for the Year* 1754, *purſuant to the Direction of Sir* Hans Sloane, *Baronet, Med. Reg. & Soc. Reg. nuper Præſes, by* John Wilmer, *M. D. Societat. Pharmaceut.* Lond. *Socius, Hort.* Chelſ. *Præfectus & Prælector Botan.*

Read April 10, 1755.

1601 ANtirrhinum Siculum Linariæ folio, niveo flore, Tilli.

1602 Calcalia caule herbaceo foliis haſtato-ſagittatis denticulatis, petiolis ſuperne dilatatis. Hort. Upſal. 254.

1603 Calamintha Hiſpanica fruteſcens Mari folio. Inſt. R. H. 194.

Meliſſa fruticoſa ramis attenuatis virgatis foliis ſubtus tomentoſis. Linn. Sp. Plant. 593.

1604 Calendula foliis obverſe ovatis denticulatis, caule fruticoſo perenni. Fl. Leyd. Prod. 531.

1605 Campanula hortenſis rapunculi radice repente. M. H. 2. 460.

Campanula repens flore minore cæruleo. J. B. 2. 706.

1606 Caryophyllus minimus muralis. C. B. 211.

Lychnis minima muralis. M. H. 2. 547.

1607 Cephalanthus foliis oppoſitis terniſque. Fl. Virg. 15.

Scabioſa

Scabioſa dendroides Americana ternis foliis caulem ambientibus, floribus ochro-leucis. Pluk. Alm. 336.

1608 Cerinthe quorundam major, fl. ex rubro-purpuraſcente. J. B. 3. 603.

1609 Chenopodium Lini folio villoſo. T. 506. Linaria ſcoparia. C. B. P. 212.

1610 Clematis Hiſpanica ſurrecta altera et humilior, fl. albicante. H. R. Par.

1611 Clymenum Hiſpanicum flore vario, ſiliqua articulata. T. 396.

Lathyrus vicioides vexillo rubro, petalis roſtrum ambientibus cæruleis. M. H. 2. 50.

1612 Cochlearia altiſſima Glaſti folio. T. 215. Lepidium. C. B. 96.

1613 Conyza latifolia viſcoſa ſuaveolens flore aureo, ex Gallo-provincia. Tourn. 455.

Conyza Pyrenaica foliis Primulæ veris. Par. Bat. 127.

1614 Coreopſis foliis linearibus integerrimis caule erecto. Fl. Virg. 18.

1615 Coriſpermum Hyſſopifolium. D. Juſſieu, Ac. Reg. Sc. 1712.

1616 Digitalis Hiſpanica purpurea minor. T. 165. Digitalis Verbaſci folio purpurea minor perennis Hiſpanica. Bar. Icon. 1183.

1617 Dipſacus folio laciniato. C. B. P. 385.

1618 Dodartia foliis lanceolatis ferratis, floribus ſpicatis. Linaria Bellidis folio. C. B. P. 212. Prod. 106.

1619 Fabago triphylla et tetraphylla flore tetrapetalo, fructu membranaceo quadrangulari. Burm. pl. Afric. 7. Tab. 3.

Zigo-

Zigophyllum capſularum angulis compreſſo membranaceis. Linn. Sp. Plant. 383.

1620 Geranium Anemones folio. Par. Bat. 178.

1621 Heliotropium Canarienſe arboreſcens, fol. Scorodoniæ. H. Am. 129.

1622 Hermannia fol. Ibiſci hirſuto, flore primo luteo, deinde purpuro-rubello. An Hermannia fruteſcens folio oblongo molli cordato hirſuto. Boerh. Ind. Alt.

1623 Heſperis lutea ſiliquis ſtrictiſſimis. Tourn. 222. Draba lutea quibuſdam. J. B. 2. 870.

1624 Hieracium Echioides capitulis Cardui benedicti majus Arabicum folio ſinuato. Hort. Edinburg.

1625 Hieracium Pyrenaicum longifolium amplexicaule. T. 472.

1626 Jaſminoides aculeatum humile Halimi minoris folio, flore majore violaceo, fructu craſſiore per maturitatem flaveſcente. Michel. Nov. Gen. 224.

1627 Ketmia Ægyptiaca Vitis folio, parvo flore. Tourn.

1628 Lathyrus Tingitanus ſiliquis Orobi, fl. amplo ruberrimo. M. H. 2. 55.

1629 Lotus leguminibus conjugatis membranaceo quadrangulis bracteis oblongo-ovatis. Linn. Sp. Plant. 774.

Lotus luteus ſiliqua anguloſa. Boer. Ind. Alt. 2. p. 37.

1630 Lychnis ſegetum rubra foliis Perfoliatæ. C. B. 204. Vaccaria. Dod. Pempt. 104.

1631 Marrubium Hiſpanicum calyce ſtellato et aculeato. I. R. H. 182. Alyſſon Galeni. Cluſ. Hiſt. 35.

1632

1632 Medica major erectior, floribus purpuraſcentibus. Tourn. 410.

1633 Meſpilus foliis ovatis ſerratis, pomis ovatis ex luteo virentibus nobis.

1634 Meſpilus foliis ovatis, obtuſis, crenatis, ſpinis longis tenuibus, fructu ſingulari rotundo, umbilico foliaceo. An Meſpilus Virginiana. Uvæ criſpæ foliis. Pluk. Mant.

1635 Ornithogalum humile foliis ovatis ſeſſilibus, floribus corymboſis, nobis.

1636 Oſteoſpermum foliis oblongis acute dentatis, caule fruticoſo diffuſo, nobis.

1637 Othonna foliis pinnatifidis laciniis linearibus parallelis. H. Cliff. 419. Jacobæa Africana fruteſcens foliis Abſinthii umbelliferi incanis. H. Amſt. 2. p. 137.

1638 Pelecinus vulgaris. T. 417. Aſtragalus purpureus annuus peregrinus, ſiliquis utriuſque ſerræ ſimilibus. M. Hiſt. 2. 107.

1639 Phyllis ſtipulis dentatis. Flor. Leyd. Prod. 92. Valerianella Canarienſ. fruteſcens ſimpla nobla dicta. Hort. Eltham 405.

1640 Plantago anguſtifolia paniculis Lagopi. C. B. 374.

1641 Ruyſchiana floribus verticillatis, nobis.

1642 Samolus Valerandi. J. B. 3. 791. Anagallis aquatica folio rotundo non crenato. C. B. P. 252.

1643 Scabioſa ſtellata folio laciniato major. Tourn.

1644 Solanum ſpiniferum fruteſcens ſpinis igneis Americanum. Pluk. Phyt. 225. fig. 5.

1645 Telephium Dioſcoridis Imperati.

Telephium repens folio non deciduo. C. B. P. 287.

1646 Thalictrum minus alterum Pariſienſium foliis craſſioribus et lucidis. H. R. Par.

1647 Tithymalus maritimus. C. B. P. 291.
Tithimalus paralius. J. B. 3. 674.

1648 Trifolium Bitumen redolens. C. B. 327.

1649 Trifolium Bitumen redolens anguſtifolium. Boer. Ind. Alt. 2. p. 32.
Trifolium bituminoſum arboreum anguſtifolium ac ſempervirens. Hort. Cath.

1650 Virga aurea Canadenſis foliis carnoſis non ſerratis latioribus. Hiſt. Oxon.

XIX. *A Letter to the Right Honourable* George *Earl of* Macclesfield, *Preſident of the* Royal Society, *on the* Advantage *of taking the Mean of a Number of Obſervations, in practical Aſtronomy: By* T. Simpſon, *F. R. S.*

My Lord,

Read April 10, 1755. IT is well known to your Lordſhip, that the method practiſed by aſtronomers, in order to diminiſh the errors ariſing from the imperfections of inſtruments, and of the organs of ſenſe, by taking the Mean of ſeveral obſervations, has not been ſo generally received, but that ſome perſons, of conſiderable note, have been of opinion, and even publickly maintained, that one ſingle obſervation, taken